9475 ---- 9510

NOTE BOOK

480

REG. U. S. PAT. OFF.

10¢

PLUS TAX IF APPLICABLE

$5.00 REWARD

for return

to

Dr. Arthur Cronquist
New York Botanical Garden
New York 58, N.Y.

V.577

9474 - July 11, 1961 - Cronquist & Noel Holmgren R. ophly granitic soil in the first saddle east of the summit of Mt. Tukuhnikivatz; La Sal mts., southeast of Moab, San Juan Co., Utah. Twp. 27S., R. 24E., S. 22. Elevation 11,900 feet. Heads yellow. Rays 20-35

1 Hymenoxys grandiflora (7)

9475 - July 11, 1961 - Cronquist
& Noel Holmgren. Granitic talus
slope, above timberline, on
ridge southeast of the summit
of Mt. Tukuhnikivatz; La Sal
Mts., southeast of Moab, San Juan
Co., Utah. Twp. 27S., R. 24E., S. 23.
Elevation about 11,600 feet.
Only a single plant seen.

Draba spectabilis Greene
var. spectabilis

Draba ①

9476 - July 11, 1961, Cronquist & Noel Holmgren. Rocky, granitic soil on ridge southeast of the summit of Mt. Tukuhnikivatz, precisely at timberline; La Sal Mts., southeast of Moab, San Juan Co., Utah. Twp. 27S., R. 24E., S. 23. Elevation about 11,500 feet.

Carex nova Bailey

Carex (7)

9477 - July 11, 1961 - Cronquist & Noel Holmgren. About small seepage stream and in somewhat drier soil under blue spruce in canyon east of Mt. Tukuhnikivatz, La Sal Mts, southeast of Moab, San Juan Co., Utah. Twp. 27 S., R. 24 E., S. 23. Elevation about 11,000 feet. Flowers blue. Plants distinctly rhizomatous, the rhizome at first slender, at length somewhat thickened. Growing with # 9479, M. franciscana, and hybridizing (#9478) with it.

Mertensia sp.

Mertensia - broad lf. (7)

9478 — July 11, 1961 — Cronquist & Noel Holmgren. — Same place as 9477. With the parents. Intermediate in size, with the leaves more nearly of M. sp. (#9477), and the underground parts more nearly of M. franciscana (#9479).

Putative hybrid:
Mertensia franciscana Heller
x
Mertensia sp.

hybrid Mertensia (6)

9479 - July 11, 1961 - Crosquist & Noel Holmgren - Same place as 9477. Growing with M. sp. (#9477), and hybridizing (#9478) with it.

Flowers blue; caudex or root thickened and soft.

Mertensia franciscana Heller

Mertensia - narrow H. (3)

9480 - July 11, 1961 - Cronquist & Noel Holmgren - In a rather open stand of blue spruce on a granitic knoll and north slope in the canyon east of Mt. Tukuhnikivatz; La Sal Mts., southeast of Moab, San Juan Co., Utah. Twp. 27S., R. 24E., S. 23. Elevation about 10,700 feet. Heads yellow.

Senecio neomexicanus Gray

Senecio (8)

9481 - July 11, 1961 - Cronquist & Noel Holmgren. Amongst Symphoricarpos on open east slope of the La Sal Mts., east of La Sal Pass, San Juan Co., Utah. Twp. 27 S., R. 24 E., S. 36. Elevation 9200 feet. Plants mildly mephitic. Stems generally several and taproot and branched caudex. Flowers blue.

Polemonium foliosissimum
Gray

Polemonium (6)

9482 - July 11, 1961 - Crang, Weis & Roll Halmgren. Wet soil in shade along small stream on the west side of the Abajo Mts., 2 miles west of Mt. Tukuhnikivatz; San Juan Co., Utah. Twp. 27S., R. 24E., S 20. Elevation 8500 feet. Flowers white

Sidalcea candida Gray
var. candida

Alaina? (1)

9483 - July 12, 1961 - Cronquist
& Noel Holmgren. Moist, sandy
soil along small stream at
the south edge of the Abajo
Mts., ~~northwest of Blanding,~~
~~San Juan Co.~~ directly south of Mt. Linnaeus,
northwest of Blanding,
San Juan Co., Utah.
Twp. 34 S., R. 22 E., about S. 30.
Elevation about 7800 feet -
Flowers yellow.

Mimulus guttatus DC., sens. lat

Mimulus (6)

9118 - July 12, 1961. Cronquist & Noel Holmgren - Sandy soil at the south edge of the Abajo Mts., directly south of Mt. Linnaeus, northwest of Blanding, San Juan Co., Utah. Twp. 34S., R 22E., about 5,30. Elevation about 7800 feet. Stems clustered on a short root. Heads yellow, with 8 rays and 24-38 disk flowers.

Senecio eremophilus Rich. var. kingii (Rydb.) Greenm., spp. var. macdougalii (Heller) Crong.

8, 24-38

Senecio eremophilus (9)

9485 - July 12, 1961 - Cronquist & Noel Holmgren. Gravelly, granitic soil in light shade, along small stream at the south edge of the Abajo Mts., directly south of Mt. Linnaeus, northwest of Blanding, San Juan Co., Utah. Twp. 34 S., R. 22 E., about S. 30. Elevation about 7800 feet. Flowers bright lavender.

Woodsia scopulina D. C. Eat.
var. mentiensis (Krok.) Fern.

Woodsia (5)

1956 - July 12, 1961 - Cronquist & Noel Holmgren - In open open woods along Allen Canyon, southwest of Mt. Linnaeus; Abajo Mts., northwest of Blanding, San Juan Co., Utah. Twp. 34 S., R. 21 E. Elevation about 8100 feet. Petals very pale blue-lavender, almost white, with a purple rim above the yellow-haired gland.

Calochortus gunnisonii Wats.
var. gunnisonii

Calochortus (4)

NUS 7 - July 12, [illegible] Inquist
& Noel Holmgren - In oakbrush
and aspen woods on hillside above
Allen ~~Canyon~~ Creek, southwest
of Mt. Linnaeus, Abajo Mts.,
northwest of Blanding, San Juan
Co., Utah. Twp. 34 S., R. 21 E.
Elevation about 8400 feet.
Petals white to lavender.

Stanleyella wrightii (Gray)
Rydb.

✓

(4)

[illegible]

9-168 - July 12, 1961 - Cronquist & Neil Ellington. Rooted to the bottom in shallow water and mud at the margin of Duck Lake, on Elk Ridge, a southeastern arm of the Abajo Mts., northwest of Blanding, San Juan Co., Utah. Twp. 34 S., R. 19 E., about S. 13 or 24. Elevation 8600 feet. Flowers white.

Ranunculus aquatilis L.
aff. var. hispidulus E. Drew

R ranunculus (3)

9489 - July 12, 1961 - Cronquist & Noel Holmgren. In mud around the shore of Duck Lake. Conferring as in #6488. Flowers yellow.

Rorippa alpina (S. Wats.) Rydb.

Dupl. det. Reed C. Rollins

Rorippa (4)

9490- July 13, 1961. Cronquist & Neal Holmgren - Sand dune in White Canyon, in the desert 8 miles northeast of Hite, San Juan Co., Utah. Twp. 34 or 35 S., R. 14 E.
Elevation 3700 feet
Flowers papery-white.

Heliotropium convolvulaceum
(Nutt.) Gray

white annual (5) ✓

9491 - July 13, 1961 - Cronquist & Noel Holmgren. Open, rocky, granitic slopes at and east of Bull Creek Pass; Henry Mts., south of Hanksville, Garfield Co., Utah. Twp. 31S., R. 10E. Elevation about 10,000 or 10,500 feet. Plants tufted, the tufts easily separable into individual, single-stemmed plants. Heads nodding, discoid, light yellow. Plants just beginning to bloom.

Senecio pudicus Greene

Senecio pudicus (6) ✓

7492 - July 13, 1961 - Crongquist & Rod. Holmgren. Same place as 9491 - Stems clustered on a ~~[illegible]~~ root. Heads yellow, with mostly 8 (10) rays, and about 25-44 disk-flowers. Plants just beginning to bloom.

Senecio cremophilus Rich. var. kingii (Rydb.) Greenm.

5445

Senecio cremophilus (2)

7493 - Cronquist & Noel Holmgren

July 11, 1961. Rocky, granitic soil in the first saddle east of the summit of Mt. Tukuhnikivatz; La Sal Mts. southeast of Moab, San Juan Co., Utah. Twp. 27 S., R. 24 E., S. 22. Elevation 11,900 feet. Heads yellow. Rays 20-35.

Hymenoxys grandiflora (T. & G.) Parker

(7)

9494 - Cronquist & T. M. Barkley
July 13, 1962

Ellis Co., Kansas.
Short-grass prairie in lime-
stone region along county
road 6 miles south of
Paleo. Rays pink-lavender,
10-18, spreading to drooping.

Echinacea pallida Nutt.
var. angustifolia (DC.) Cronq.

Echinacea (3)

9 U.S. [illegible]
June 13, 19[illegible] [illegible] Valley
Farm plant [illegible]
Raup [illegible] B, red [illegible]
[illegible] margin yellow [illegible]

Gaillardia pulchella Foug.

[illegible] June 5, 1902
[illegible]
Heads white to [illegible].

Hymenopappus tenuifolius Pursh

Hymenopappus [illegible] ✓

1497 Transquit & T. M. Barkley
June 3, 1902 same place as 9494
Headsville

Trichospilina megaportamina (Sprenl)
Kuntze

Thelospora (?)

9498 - Tarraguise T. M. Barkley
June 13, 1960.
Same [illegible] 9497
Heads yellow

Haplopappus spinulosus (Pursh) DC.
var. glaberrimus Blake

Haplopappus spinulosus (D) ✓

7477. Collected by W. A. Weber
Eddy Co., New Mexico. June 6, 1911
Drying lowland flats in
semi-desert just west of Hope.
Heads yellow. Alt. 3-12, Alt. 10.

Gutierrezia glutinosa (Schauer)
(Sch.-Bip.

9500 - Conejos Riv. & Water
fund lands
Conejos Co., New Mexico
Sandy soil along the road
in desert 14 miles west of Sopo.
Heads yellow; rays about 21.
Not common.

Bahia biternata Gray

Bahia biternata (T)

9501 - Compositae - Aster

June 16, 1962

Chaves Co., New Mexico

Rocky, gravelly soil in desert

14 miles west of Hope.

Bushy, branched tender shrub

up to 1 m. tall. Heads yellow,

with 13-21 rays.

Viguiera stenoloba Blake

Viguiera tomentosa

9502 - [illegible]
June [illegible], 1962
Otero Co., New Mexico.
Gravelly roadside, somewhat gypsiferous, along Highway U.S. 70, 7 miles northeast of Tularosa. Stems numerous, clustered on woody taproot and branched sandy woody at the base. Heads yellow. Ray 4-6, typically 5.

Haplopappus greggii Gray

Haplopappus - D

9503 August 16, 1962
Nobles Co., Minnesota
In moist swale between railroad tracks and highway, a mile northeast of Brewster. Elevation about 1000 feet. Heads pink-purple.

Liatris pycnostachya Michx.

Liatris mucronata (D)

9504 - August 16, 1962.
Same place as 9503.
Heads yellow

Solidago rigida L.
var. humilis Porter

Solidago rigida (1)

9505 - August 16, 1962
Same place as 9503.
Heads pink - purple

Liatris aspera Mich.

Liatris ligulistylis (1)

9506 - August 16, 1902.
Pawnee County, Okla.
Stems solitary or 2 or 3 together.
Rays about 8 (7-10), yellow,
drooping. Disk dark.

Ratibida pinnata (Vent.) Barnh.

Rudbeckia (3)

9507 - August 16, 1962.
Nobles Co., Minnesota
In moist swale between railroad tracks and highway, one mile northeast of Brewster. Elevation about 1000 feet.

Growing with #9508, S. canadensis var. gilvocanescens, which however is larger, vigorously rhizomatous, and just beginning to bloom.

Solidago sp. aff. S. canadensis var. gilvocanescens.

Small pressed. (H)

9508 - August 16, 1962.
Same place as 9507.
Growing with # 9507,
Solidago sp., which however
is smaller, scarcely rhi-
zomatous, and already in
full bloom.

Solidago canadensis L.
var. gilvescens Rydb.

canadensis (2)

9509 - August 18, 1962

Larimer Co., Colorado.
Sandy, gravelly soil along the highway; Big Thompson River, Colorado Front Range, about 21 miles west of Loveland. Elevation about 7000 feet.

Rays lavender-purple, 28-50, often 47 or 48.

Machaeranthera bigelovii
(Gray) Greene

Machaeranthera bigelovii (1)

9510 - Sept. 1, 1962
Rio Blanco Co., Colorado.
Sagebrush slopes about 10
miles northeast of Rangely.
Elevation about 5500 feet.
Plants mostly 5-15 dm. tall.
Series showing plant to plant
variation: Inflorescence
flat-topped to pyramidal
to broadly thyrsoid; flowers
pale yellow to golden yellow.

Chrysothamnus nauseosus
(Pall.) Britt.
var. glabratus Gray

Chrysothamnus n. (4)

528-46-4207